

Drainage Assessment for:

30 Glenrowan Avenue,
Avondale, Christchurch
CLM/2011/083695

Following CCTV inspection of both the sewer and stormwater drainage at the above property dated, 09/09/2021, our report is as follows:

PROPERTY OVERVIEW

The above address is situated on a flat section with private sewer and stormwater lines. The land type is TC2, and the approx. age of the dwelling is 1970s. The surfaces over the drainage are, an asphalt driveway and concrete paths (both of which have been replaced and are in good condition), a timber deck, garden, and lawns. There are small to medium trees and plantings situated around the section.

FINDINGS SPECIFIC TO SEWER DRAIN

The sewer consists of both 100mm uPVC and Earthenware ceramics (EWC) inside the property boundary. The average depth of the sewer inside the property boundary is approx. 0.9 m. The sewer lateral has been replaced with PE outside the property boundary.

The CCTV footage was televised from gully trap 1 and 2 (GT 1 & 2). The CCTV footage from the GT 1 ended at 11.76 m two meters downstream of the junction to GT 2. The CCTV footage from GT 2 ended at 28.81 under the kerb outside the property boundary.

The CCTV footage of the section surveyed, identified that a small section of the sewer has been repaired inside the property boundary. There were no signs of any historical or earthquake related damage within the section surveyed.

FINDINGS SPECIFIC TO STORMWATER DRAIN

The stormwater drains consist of both 100mm uPVC and EWC. These were cleaned out as part of this survey. The stormwater runs to two separate kerb outlets (KO & KO 1) which are located outside the property boundary.

The CCTV footage was obtained from multiple locations but is limited due to the lines holding water and debris. The CCTV footage from KO 1 ends at 12.29 m, one meter downstream of DP 4. The CCTV footage from DP 2 ends at 22.50 m where the KO is located. This line has been replaced with uPVC. The CCTV footage from DP 3 ends at 10.88 m on the northern side of the dwelling. The line shows a heavy build up of debris and holds water.

The CCTV footage of the section surveyed identified that previous repair work has been carried out on the stormwater line. The driveway sump does not have the required catchment and does not comply with the NZBC. Although the camera could not be pushed through to the KO 1, water was run through this line from DP 3, and it was flowing as it should. There were no signs of any historical or earthquake related damage within the stormwater system.

SUMMARY AND RECOMMENDATIONS:

Following our survey, it is evident that the sewer and stormwater drainage has no sign of any historical or earthquake related damage. Therefore, no allowance has been made for any repairs. We do however recommend the stormwater line is cleaned annually to avoid future blockages. Please refer to the as built drawings for all locations.

If you have any questions regarding the above, please do not hesitate to contact me (021) 55 28 33.

Regards,

Josh Mackey

Certifying Drainlayer

